

ABSTRACT OF THE DISCLOSURE

A rotation angle sensing device for detecting a relative rotation angle between a rotor and a stator includes main magnets, fixed in the rotor, and hole ICs, fixed in the stator. The hole ICs detect magnetic flux of the main magnets, and the relative rotation angle therebetween is detected. A supportive magnet is disposed between the hole ICs so as to offset the magnetic flux of the main magnets. Accordingly, a rotation angle in which the magnetic flux density detected in the hole ICs becomes 0[mT] can be changed by the supportive magnet. Therefore, a 0° position of the rotation angle can be set to the rotation angle in which the magnetic flux density is detected as 0[mT], and moreover the detectable range of the rotation angle can be enlarged to be more than 90°.